Virginia Title V Operating Permit

Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-305 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Magnox Pulaski, Inc.
Facility Name:	Magnox Pulaski, Inc.
Facility Location:	720 Commerce Street Pulaski, VA
Registration Number:	20322
Airs Number:	155-0011
Permit Number:	VA-20322

February 9, 2000
Effective Date

February 9, 2005
Expiration Date

Dennis H. Treacy
Director, Department of Environmental Quality

February 9, 2000
Signature Date

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1. Facility Information

Permittee

Magnox Pulaski, Inc.
P.O. Drawer 431
Pulaski, VA 24301

Responsible Official

Mr. Carmine DiNitto
President

Facility

Magnox Pulaski, Inc.
P.O. Drawer 431
(At 720 Commerce Street)
Pulaski, VA 24301

Contact person

Mr. Carmine DiNitto
President
540-980-3500

Registration Number: 20322
AIRS Number: 51-155-0011

Facility Description: This facility's SIC Code is 2816. The plant manufactures magnetic iron oxide pigment. The plant is located at 720 Commerce Street in the town of Pulaski in Pulaski County.

This manufacturing plant produces magnetic iron oxide pigment powders for recording and printing applications. In simplified form, the process consists of (a) aqueous digesting of iron or steel and aqueous metal (such as cobalt) adsorption, all without air emissions, (b) iron oxide powder/dust drying, granulating and material handling, (c) high temperature gas phase oxidation-reduction reactions of iron oxide dust/powder in a group of 22 small batch kilns/calciners, (d) additional high temperature reduction of a portion of the material in a continuous reduction kiln/calciner, (e) annealing with minimal emissions after fabric filtering, and (f) powder/dust mulling, miscellaneous processing, material handling and storage, and bagging.

The high temperature reduction reactions in the kilns/calciners include the use of carbon monoxide (CO) in the reducing gas atmosphere and results in CO emissions exceeding 100 tons/yr due to venting the unreacted portion of the gas. This quantity of CO emission is the reason for this plant needing a Title V operating permit, even though annual permit fees are not applied to CO emissions. The process emission, other than from kilns/calciners, is particulate matter (dust/powder) from a multitude of processing points inside buildings, including several dryers, and is all well controlled by several baghouse/ fabric filter dust collectors and a few scrubbers. There are also 3 boilers totaling 69.1 million Btu/hr input capacity fired with natural gas and standby No. 2 fuel oil. Additional plant fuel burning is natural gas, but each additional unit is small enough to be exempt from regulations (below 10 million Btu/hr).

The emissions units are grouped as follows:

EU-C	Emission Units-Combustion	(3 natural gas/No. 2 fuel oil boilers).
EU-K	Emission Units-Kilns/calciners	(22 batch).
EU-C.R.K	Emission Unit-Continuous Reduction Kiln/calciner	(#244)
EU-D	Emission Units-Dryers	(Combined total of all dust emitting processes other than kilns/calciners, including many dryers, annealers, mullers, miscellaneous powder processing, material handling, storage, and bagging).

2. Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity	Pollution Control Device Description (PCD)	PCD ID	Pollutant Controlled	Applicable Permit Date
EU-C; Fuel Burning Equipment							
EU-C	6S, 10S, 15S	**Combustion units, 3 boilers combined**, each burning natural gas with No. 2 fuel oil backup: EU-C-6, 32.00 MM, No. 3 Murray boiler, EU-C-10, 21.76 MM, No. 2 Com B boiler, EU-C-15, 15.36 MM, No.1 Springfield HS boiler.	69.1 million Btu/hr input rated capacity, 3 boilers combined.	None	NA	NA	None - each boiler was installed before1972.

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity	Pollution Control Device Description (PCD)	PCD ID	Pollutant Controlled	Applicable Permit Date
Process EU-K; Kilns/Calciners							
EU-K	several	K3-K24 = 22 batch **Kilns/calciners**	22 batch 0.1 tph each, 17,280 tpy combined	several baghouses	several	PM	May 7, 1998
Process *EU-CRK; Continuous Reduction Kiln/calciner*							
EU-CRK	244S	#244 **Continuous Reduction Kiln/calciner**	#244 continuous reducer 0.33 tph, 2891 tpy.	baghouse	DCM-31	PM	May 6, 1998
Process EU-D; Dryers, material handling, etc. all dust emitting processes other than kilns/calciners.							
EU-D	many	Combined total of all dust emitting processes other than kilns/calciners, including several rotary and several belt **Dryers**, annealers, mullers, blenders, miscellaneous processing and material handling and storage, baggers, etc.	NA	many baghouses and a few scrubbers.	-	PM	May 7, 1998, June 18, 1993, June 26, 1992

III. Fuel Burning Equipment Requirements:

Refr. EU-C: Emission Unit - Combustion boilers; 3 pre-1972 boilers combined; total 69.1 million Btu/hr input capacity, each fired with pipeline natural gas with No. 2 fuel oil backup.

Boiler #1 Springfield 15.36MM, plus boiler #2 Com B 21.76 MM, plus boiler #3 Murray 32.0MM input capacity totals 69.1 MM combined.

NSPS, MACT and new/modified source permitting do not apply.

A. Limitations

1. Particulate emissions and SO_2 emissions from these boilers shall be controlled by limiting the fuels to natural gas and No. 2 fuel oil.
(9 VAC 5-80-110)

2. The approved fuels for these boilers are natural gas and distillate oil. Distillate oil is defined as fuel oil that meets the specifications for fuel oil numbers 1 or 2 under the American Society for Testing and Materials, ASTM D396-78 "Standard Specification for Fuel Oils". A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-110)

3. Emissions from the operation of these boilers shall not exceed the limits specified below:

Total Suspended Particulate	0.36* lbs/million Btu input
PM-10	0.36* lbs/million Btu input
Sulfur Dioxide	2.64* lbs/million Btu input hourly emission limit

* Particulate and SO_2 emission limits are effectively much cleaner than these values due to another condition for these boilers limiting the fuel to natural gas and No. 2 fuel oil. The No. 2 fuel oil definition limits maximum sulfur content to 0.5wt%, which calculates to only approximately 0.02 lb particulate/million Btu and approximately 0.52 lb SO_2/million Btu when using AP-42 emission factors.
(9 VAC 5-80-110, 9 VAC 5-40-900 A. 1 b., 9 VAC 5-40-930 A. 1.)

4. Visible emissions from each of these boilers shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity.
(9 VAC 5-80-110, 9 VAC 5-40-940)

5. Boiler emissions shall be controlled by proper operation and maintenance. Boiler operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum. (9 VAC 5-80-110)

B. Monitoring

The monitoring requirements for this group of boilers shall be satisfied by the Monitoring section under Facility Wide Conditions below, and by the Recordkeeping and Reporting sections under this Emissions Unit and under General Conditions below. (9 VAC 5-80-110)

C. Recordkeeping (Also see Recordkeeping under General Conditions below.)

1. Distillate oil: The permittee shall obtain a certification, or alternative statement, from the fuel supplier covering each shipment of distillate oil. Each fuel supplier certification or alternative statement shall include the following:

   a. The name of the fuel supplier,

   b. The date on which the oil was received,

   3. The volume of distillate oil delivered in the shipment,

   4. A statement that the oil complies with the American Society for Testing and Materials (ASTM) specifications for fuel oil numbers 1 and 2, and

   5. The sulfur content of the oil.

   (9 VAC 5-80-110)

2. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrated compliance with this permit. The content of and format of such records shall be arranged with the Director, West Central Regional Office. These records shall include, but are not limited to:

   a. A weekly log identifying the type of fuel(s) burned in these boilers.

   b. The sulfur content of the fuel oil burned in these boilers.

c. All fuel supplier certifications, or alternative statements.
These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110, 9 VAC 5-40-50)

3. The permittee shall maintain records of the required training including a statement of time, place and nature of training provided. The permittee shall have available good written operating procedures and a maintenance schedule for the boiler. These procedures shall be based on the manufacturer's recommendations, at minimum. All records required by this condition shall be kept on site and made available for inspection by the DEQ.
(9 VAC 5-80-110)

D. Testing

1. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-80-110, 9 VAC 5-40-30)

E. Reporting (Also see Reporting in the Recordkeeping and Reporting section under General Conditions below.)

IV. Process Equipment Requirements - 1:

EU-K: Emission Units - Kilns/calciners, K3 - K24 group of all 22 production batch kilns/calciners; group rated capacity is 2.2 tons/hr (22 x 0.1 tph each); 17,280 tons/yr permit throughput limit of calcined iron oxide; all controlled by add-on baghouse dust collectors; emissions are primarily CO plus some particulates; not NSPS or MACT; K1 - K20 were installed before 1972, K21 - K 24 were installed since 1972; part have May 7, 1998 new source review permit which superseded the July 11/22, 1991 permit to construct and operate.

A. Limitations

1. Particulate matter emissions from this K3 - K24 group of kilns/calciners shall be controlled by fabric filters or equivalent. The control devices shall be provided with adequate access for inspection.
(9 VAC 5-80-110, 5-7-98 nsrpc* 4 & 5, 9 VAC 5-50-260)
* nsrpc = New Source Review Permit Condition

2. The annual production of calcined iron oxide from the overall facility, which means the annual production from this K3 - K24 group of kilns/calciners, shall not exceed 17,280 tons/yr, calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-110, 5-7-98 nsrpc 8, 6-26-92 nsrpc 6, 9 VAC 5-170-160)

3. The monthly production of calcined iron oxide from the overall facility, which means the annual production from this K3 - K24 group of kilns/calciners, shall not exceed 1,637 tons/mo of calcined iron oxide.
(9 VAC 5-80-110)

4. Visible emissions from this K3 - K24 group of kilns/calciners shall not exceed 5 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity.
(9 VAC 5-80-110, 9 VAC 5-50-260, 5-7-98 nsrpc 13)

5. Emissions from the operation of this K3 - K24 group of kilns/calciners shall not exceed the limits specified below:

Total Suspended Particulate	0.081 lbs/hr	0.354 tons/yr
PM-10	0.081 lbs/hr	0.354 tons/yr
Carbon Monoxide	102.3 lbs/hr	448.0 tons/yr

(9 VAC 5-80-110, proportional to 5-7-98 nsrpc 11 limits based on 9 VAC 5-50-260)

6. Maintenance/Operating Procedures for the dust emission baghouses/fabric filters controlling this kiln/calciner process: The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment controlling this kiln/calciner process:

   a Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.

   b Maintain an inventory of spare parts.

   c Have available written operating procedures. These procedures shall be based on the manufacturer's recommendations, at a minimum, and shall list the range of pressure drop across each fabric filter consistent with proper control device operation.

   d Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.
(9 VAC 5-80-110, 9 VAC 5-50-20 E)

B. Monitoring

The monitoring requirements for this emissions unit shall be satisfied by the Monitoring section under Facility Wide Conditions below, and by the Recordkeeping sections under this Emissions Unit and under Facility Wide Conditions below, combined with the following:

1. The fabric filters shall be equipped with a device to continuously measure the differential pressure drop across the fabric filter, or alternate instrumentation as agreed upon by the Director, West Central Regional Office. The device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working order at all times.
(9 VAC 5-80-110, 5-7-98 nsrpc 4)

C. Recordkeeping (Also see Recordkeeping under General Conditions below.)

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrated compliance with this permit for this K3 - K24 group of kilns/calciners. The content of and format of such records shall be arranged with the Director, West Central Regional Office. These records shall include, but are not limited to:

1. Annual and monthly production of calcined iron oxide from the overall facility and from this K3 - K24 group of kilns/calciners, calculated monthly as the sum of each consecutive twelve (12) month period.

2. Annual and monthly emissions (TSP, PM-10, CO) from this K3 - K24 group of kilns/calciners, calculated monthly as the sum of each consecutive twelve (12) month period. The emission factors, control efficiencies, and emission calculation equations used in these emission calculations shall be identified and readily available.

3. Log entries at least weekly of control device monitoring data required by this permit for this emission unit group, such as measured values of pressure drop across fabric filters.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110, 9 VAC 5-50-50, 5-7-98 nsrpc 17, 6-26-92 nsrpc 12)

D. Testing

1. Upon request from the Department, test ports shall be provided at the appropriate locations. (9 VAC 5-80-110, 9 VAC 5-50-30)

E. Reporting (Also see Reporting in the Recordkeeping and Reporting section under General Conditions below.)

IV. Process Equipment Requirements - 2:

EU-CRK: Emission Unit - Continuous Reduction Kiln/calciner, kiln/calciner (refr. # 244); rated capacity is 0.33 tons/hr (660 lbs/hr) of ferric oxide (Fe_2O_3); controlled by add-on baghouse dust collector; emissions are primarily CO plus some particulates; not NSPS or MACT; May 6, 1998 new source review permit superseded 7-29-93 permit to construct and operate.

A. Limitations

1. Particulate matter emissions from the continuous reduction kiln/calciner (#244) shall be controlled by a baghouse having a minimum control efficiency of 99.0%. The control device shall be provided with adequate access for inspection.
(9 VAC 5-80-110, 9 VAC 5-50-260, 5-6-98 nsrpc 3)

2. The annual production of ferric oxide (Fe_2O_3) from the continuous reduction kiln/calciner shall not exceed 2891 tons/yr, calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-110, 9 VAC 5-170-160, 5-6-98 nsrpc 5)

3. The monthly production of ferric oxide (Fe_2O_3) from the continuous reduction kiln/calciner shall not exceed 246 tons/mo of ferric oxide (Fe_2O_3).
(9 VAC 5-80-110)

4. Visible emissions from the continuous reduction kiln/calciner shall not exceed 5 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity.
(9 VAC 5-80-110, 9 VAC 5-50-260, 5-6-98 nsrpc 9)

5. Emissions from the operation of the continuous reduction kiln/calciner (refr # 244) shall not exceed the limits specified below:

Carbon Monoxide	8.45 lbs/hr	37.0 tons/yr

(9 VAC 5-80-110, 9 VAC 5-50-260, 5-6-98 nsrpc 8)

6. Maintenance/Operating Procedures for the dust emission baghouses/fabric filters controlling this kiln/calciner process: The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment controlling this kiln/calciner process:

   e Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.

   f Maintain an inventory of spare parts.

   g Have available written operating procedures. These procedures shall be based on the manufacturer's recommendations, at a minimum, and shall list the range of pressure drop across each fabric filter consistent with proper control device operation.

   h Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

   Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.
   (9 VAC 5-80-110, 9 VAC 5-50-20 E)

B. Monitoring

The monitoring requirements for this emissions unit shall be satisfied by the Monitoring section under Facility Wide Conditions below, and by the Recordkeeping sections under this Emissions Unit and under Facility Wide Conditions below, combined with the following:

1. The baghouse shall be equipped with a device to continuously measure the differential pressure drop across the baghouse. The device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working order at all times.
. (9 VAC 5-80-110, 5-6-98 nsrpc 3)

C. Recordkeeping (Also see Recordkeeping under General Conditions below.)

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrated compliance with this permit for the continuous reduction kiln/calciner (refr # 244). The content of and format of such records shall be arranged with the Director, West Central Regional Office. These records shall include, but are not limited to:

1. Annual and monthly production of ferric oxide (Fe_2O_3) from the continuous reduction kiln/calciner, calculated monthly as the sum of each consecutive twelve (12) month period.

2. Annual and monthly emissions (CO) from the continuous reduction kiln/calciner, calculated monthly as the sum of each consecutive twelve (12) month period. The emission factors, control efficiencies, and emission calculation equations used in these emission calculations shall be identified and readily available.

3. Log entries at least weekly of control device monitoring data required by this permit for this emission unit, such as measured values of pressure drop across baghouse.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110, 9 VAC 5-50-50, 5-6-98 nsrpc 11)

D. Testing

1. Upon request from the Department, test ports shall be provided at the appropriate locations. (9 VAC 5-80-110, 9 VAC 5-50-30)

E. Reporting (Also see Reporting in the Recordkeeping and Reporting section under General Conditions below.)

IV. Process Equipment Requirements - 3:

EU-D: Emission Units - Dryers. This groups together all the dryers that emit dust, including several rotary and belt dryers that emit dust (some dryers inherently have no dust emissions), and includes all the multitude of other non-kiln/calciner dust emission sources. This includes several annealers, mullers, blenders, miscellaneous processes, material handling and storage, baggers, etc.. All these dust emission sources are controlled by a multitude of modest sized fabric filter dust collectors, except for a few particulate scrubbers. Emissions are particulates (dust). The group is not NSPS and not MACT. Most of this equipment was installed before 1972 but some was installed after 1972. A modest percentage of the equipment is covered by new source review permits to construct and operate dated May 7, 1998 (which superseded the July 11/22, 1991 permit), June 18, 1993, and June 26, 1992. These permits only require dust controls and 5% opacity limits.

A. Limitations

1. Particulate matter emissions from the dryers and all other non-kiln/calciner dust processing equipment that have dust emissions shall be controlled by fabric filters or equivalent, such as certain scrubbers. The control devices shall be provided with adequate access for inspection.
   (9 VAC 5-80-110, 9 VAC 5-50-260, 5-7-98 nsrpc 3, 6-18-93 nsrpc 3, 6-26-92 nsrpc 3)

2. The approved fuel for any of the non-kiln/calciner dust processing equipment that burns fuel, such as annealers and part of the dryers, is natural gas. A change in the fuel may require a permit to modify and operate.
   (9 VAC 5-80-110, 9 VAC 5-170-160, 5-7-98 nsrpc 6, 6-26-92 nsrpc 4)

3. The annual production of calcined iron oxide from the overall facility shall not exceed 17,280 tons/yr, calculated monthly as the sum of each consecutive 12 month period.
   (9 VAC 5-80-110, 6-26-92 nsrpc 6, 9 VAC 5-170-160)

4. The monthly production of calcined iron oxide from the overall facility shall not exceed 1,637 tons/mo of calcined iron oxide.
   (9 VAC 5-80-110)

5. The annual throughput of the multi-purpose dryer, DR-8 (refr. #247), shall not exceed 4380 tons/yr, calculated monthly as the sum of each consecutive 12 month period.
   (9 VAC 5-80-110, 9 VAC 5-170-160, 6-18-93 nsrpc 4)

6. The monthly throughput of the multi-purpose dryer, DR-8 (refr. #247) shall not exceed 372 tons/mo, calculated monthly as the sum of each consecutive 12 month period.
   (9 VAC 5-80-110)

7. The cobalt adsorption process shall consume no more than 76 pounds of cobalt per ton of finished product.
   (9 VAC 5-80-110, 9 VAC 5-170-160, 6-26-92 nsrpc 7)

8. The control efficiency of the baghouse controlling particulate and cobalt emissions from the multi-purpose dryer, DR-8 (refr. #247), shall be at least 99%.
   (9 VAC 5-80-110, 9 VAC 5-50-260, 6-18-93 nsrpc 3)

9. Visible emissions from the non-kiln/calciner dust processing equipment, shall not exceed 5 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity.
   (9 VAC 5-80-110, 9 VAC 5-50-260, 5-7-98 nsrpc 12, 6-18-93 nsrpc 5, 6-26-92 nsrpc 10)

10. Maintenance/Operating Procedures for the dust emission control equipment controlling the non-kiln/calciner dust processing equipment: The permittee shall take the following

measures in order to minimize the duration and frequency of excess emissions, with respect

to air pollution control equipment controlling the non-kiln/calciner dust processing equipment:

a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.

b. Maintain an inventory of spare parts.

c. Have available written operating procedures. These procedures shall be based on the manufacturer's recommendations, at a minimum, and shall list the range of pressure drop across each fabric filter and the range of liquid flow for each scrubber consistent with proper control device operation.

d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.
(9 VAC 5-80-110, 9 VAC 5-50-260, 9 VAC 5-50-20 E, 5-6-98 nsrpc 15 and 16)

B. Monitoring

The monitoring requirements for this emissions unit shall be satisfied by the Monitoring section under Facility Wide Conditions below, and by the Recordkeeping sections under this Emissions Unit and under Facility Wide Conditions below, combined with the following:

1. The fabric filters shall be equipped with a device to continuously measure the differential pressure drop across the fabric filter, or alternate instrumentation as agreed upon by the Director, West Central Regional Office. The device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working order at all times.
. (9 VAC 5-80-110, 5-7-98 nsrpc 4)

2. The scrubbers shall be equipped with a flow meter to continuously measure the liquid flow to the scrubber, or alternate instrumentation as agreed upon by the Director, West Central Regional Office. The device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working order at all times.
. (9 VAC 5-80-110)

C. Recordkeeping (Also see Recordkeeping under General Conditions below.)

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrated compliance with this permit for the non-kiln/calciner dust processing equipment. The content of and format of such records shall be arranged with the Director, West Central Regional Office. These records shall include, but are not limited to:

1. Annual and monthly production of calcined iron oxide from the overall facility, calculated monthly as the sum of each consecutive twelve (12) month period.

2. The yearly and monthly production of the multi-purpose dryer, DR-8 (refr. #247), calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-110, 9 VAC 5-50-50, 6-18-93 nsrpc 7)

3. The yearly and monthly pounds of cobalt consumption per ton of finished product, calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-110, 9 VAC 5-50-50)

4. Log entries at least weekly (weekly log) of the control device monitoring data required by this permit for the non-kiln/calciner dust processing equipment, such as measured values of pressure drop across fabric filters.
(9 VAC 5-80-110, 9 VAC 5-50-50, 9 VAC 5-40-50)

5. Log entries at least weekly (weekly log) of the visible emissions monitoring results required by the Monitoring section under Facility Wide Conditions below.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110, 9 VAC 5-50-50, 9 VAC 5-40-50, 5-7-98 nsrpc 17, 5-6-98 nsrpc 11, 6-18-93 nsrpc 7, 6-26-92 nsrpc 12)

D. Testing

1. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-80-110, 9 VAC 5-50-30)

E. Reporting (Also see Reporting in the Recordkeeping and Reporting section under General Conditions below.)

V. Facility Wide Conditions

A. Monitoring

Visible Emissions: - Each emissions unit with a visible emissions requirement in this permit shall be observed visually at least once each calendar week in which the emissions unit operates. The visual observations shall be conducted using 40 CFR 60 Appendix A Method 22 techniques (condensed water vapor/steam is not a visible emission) for at least a brief time to only identify the presence of visible emissions. Each emissions unit in the observation having visible emissions shall be evaluated by conducting a 40 CFR 60 Appendix A Method 9 visible emissions evaluation (VEE) for at least six (6) minutes, unless corrective action is taken that achieves no visible emissions. 40 CFR 60 Appendix A Method 9 requires the observer to have a Method 9 certification that is current at the time of the VEE. If any of these six (6) minute VEE averages exceed the unit's opacity limitation, a VEE shall be conducted on these emissions for at least 3 six minute periods (at least 18 minutes). All visible emission observations, VEE results, and corrective actions taken shall be recorded. (9 VAC 5-80-110E)

VI. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citat-ion	Pollutant(s) Emitted (5-80-720 B)	Rated Capacity (5-80-720 C)
N/A	Ferrous Sulfate Dissolving Tank		yes, PM	
N/A	Copperas Sludge Recovery Tanks (2)		yes	
N/A	NTR - Lab Hood		yes, PM	
N/A	Starter Storage Tanks (3)		yes	
N/A	Conversion - A&B Floc Tanks		yes	
N/A	#4 Conversion Storage Tank		yes	
N/A	Cobalt Zinc Mix Tanks (2)		yes, Cobalt, Zinc, PM	
N/A	Iron Oxide Storage Tanks (40)		yes, PM	
N/A	CA Plant - 5A Copperas Head Tank		yes	
N/A	CA Plant - 10a Waste Caustic Storage Tank		yes	

Emission Unit No.	Emission Unit Description	Citat-ion	Pollutant(s) Emitted (5-80-720 B)	Rated Capacity (5-80-720 C)
N/A	CA Plant - TK7 Cobalt Mix Tank		yes, Cobalt	
N/A	CA Plant - TK13 Reslurry Tank		yes	
N/A	CA Plant - #14 Reagent Mix Tank		yes	
N/A	CA Plant - 14a Cobalt Mix Tank		yes, Cobalt	
N/A	CA Plant - Filtration Tank		yes	
N/A	CA Plant - Product Storage Hoppers		yes, PM	
N/A	CA Plant - Conversion Tank		yes	
N/A	CA Plant - Blender		yes	
N/A	CA Plant - Reuse Caustic 5% Storage Tank		yes	
N/A	CA Plant - 50% Caustic Storage Tank		yes	
N/A	25,000 gallon fuel oil tank		yes	
N/A	Pilot Plant - TK 30		yes	
N/A	Pilot Plant - Misc. Storage Tanks (9)		yes	
N/A	Pilot Plant - Filter Presses (6)		yes, PM	
N/A	Rotary Dryer Area - Rotary Filters (3)		yes, PM	
N/A	Manufacturing - Filter Presses (2)		yes, PM	
N/A	Packaging		yes, PM	
N/A	R & D - #1 Kiln Hood Exhaust		yes, PM	
N/A	R & D - #1 Kiln Exhaust		yes, PM	
N/A	R & D - #2 Kiln Hood Exhaust		yes, PM	
N/A	R & D - #2 Kiln Exhaust		yes, CO, PM	
N/A	R & D - Fluid Bed Kiln Exhaust		yes, PM	
N/A	R & D - Flexible Fume Hood - oven room		yes, PM	
N/A	R & D - High Temp. Oven/Kiln Room		yes, CO, PM	
2	W. T. Lime Storage Tank Dust Collector		yes	
3	Creek Water Pump House		yes	

Emission Unit No.	Emission Unit Description	Citat-ion	Pollutant(s) Emitted (5-80-720 B)	Rated Capacity (5-80-720 C)
4	Creek Water Pump House		yes	
5	Boiler House Natural Gas Heater			<10mmBTU
21	Nat. Gas Heater - Y.O. Shop			<10mmBTU
25	#38 Copperas Storage Tank Vent		yes	
26	#39 Caustic Storage Tank Vent		yes	
27	Nat. Gas Heater S.P.			<10mmBTU
28	Nat. Gas Heater S.P.			<10mmBTU
29	Nat. Gas Heater S.P.			<10mmBTU
33	S.P. Dryer Burner Exhaust			<10mmBTU
35	D Reactor Exhaust Stack		yes	
36	#45 Copperas Storage Tank Vent		yes	
37	E Reactor Exhaust Stack		yes	
40	#13 Copperas Storage Tank Vent		yes	
41	#12 Copperas Storage Tank Vent		yes	
42	#11 Copperas Storage Tank Vent		yes	
43	#6 Copperas Cook Tank Stack		yes	
47	#8 Copperas Cook Tank		yes	
49	#1 Copperas Cook Tank		yes	
75	Rotarty Dryer Deaerator Tank Vent		yes	
79	Black Dust Collector Stack		yes	
92	#6 Belt Dryer Heat Exchanger Stack		yes	
100	#30 Tank Ducon Scrubber Stack		yes	
102	#4 Proctor Dryer Exhaust Stack		yes	
104	#1 & #2 Proctor Dryer Exhaust Stack		yes	
106	#1-2-3 Nat. Gas Hot Water Heater Stack			<10mmBTU
107	#4-5-6 Nat. Gas Hot Water Heater Stack			<10mmBTU

Emission Unit No.	Emission Unit Description	Citat-ion	Pollutant(s) Emitted (5-80-720 B)	Rated Capacity (5-80-720 C)
113	Flammable Storage Cabinet Vent		yes	
120	Fume Hood Exhaust Conversion		yes	
121	Exhaust Fan Fume Hood Kiln Room		yes	
122	#1 Dev. Kiln Hood Exhaust		yes	
123	#1 Dev. Kiln Exhaust		yes	
124	#2 Dev. Kiln Hood Exhaust		yes	
125	#2 Dev. Kiln Exhaust		yes	
126	Fluid Bed Kiln Exhaust		yes	
127	Flexible Fume Hood - Oven Room		yes	
128	High Temp. Oven Kiln Room - Dev.		yes	
141	Nat. Gas Heater - M.O. Shop			<10mmBTU
143	Nat. Gas Heater - Forklift Shop			<10mmBTU
145	Nat. Gas Hot Water Heater - M.O. Shop			<10mmBTU
150	Nat. Gas High Press. Hot Water Heater			<10mmBTU
151	#24 Kiln Hood Exhaust, Nat. Gas			<10mmBTU
153	#23 Kiln Hood Exhaust, Nat. Gas			<10mmBTU
156	#22 Kiln Hood Exhaust, Nat. Gas			<10mmBTU
158	#21 Kiln Hood Exhaust, Nat. Gas			<10mmBTU
163	Batch Kiln #1 - R & D		yes	
165	#4 Kiln Hood Exhaust, Nat. Gas			<10mmBTU
169	#3 Kiln Hood Exhaust, Nat. Gas			<10mmBTU
170	#6 Kiln Hood Exhaust, Nat. Gas			<10mmBTU
174	#5 Kiln Hood Exhaust, Nat. Gas			<10mmBTU
175	#8 Kiln Hood Exhaust, Nat. Gas			<10mmBTU
179	#7 Kiln Hood Exhaust, Nat. Gas			<10mmBTU
180	#16 Kiln Hood Exhaust, Nat. Gas			<10mmBTU

Emission Unit No.	Emission Unit Description	Citat-ion	Pollutant(s) Emitted (5-80-720 B)	Rated Capacity (5-80-720 C)
184	#15 Kiln Hood Exhaust, Nat. Gas			<10mmBTU
185	#18 Kiln Hood Exhaust, Nat. Gas			<10mmBTU
188	#17 Kiln Hood Exhaust, Nat. Gas			<10mmBTU
189	#19 Kiln Hood Exhaust, Nat. Gas			<10mmBTU
192	#20 Kiln Hood Exhaust, Nat. Gas			<10mmBTU
193	#13 Kiln Hood Exhaust, Nat. Gas			<10mmBTU
197	#14 Kiln Hood Exhaust, Nat. Gas			<10mmBTU
198	#11 Kiln Hood Exhaust, Nat. Gas			<10mmBTU
202	#12 Kiln Hood Exhaust, Nat. Gas			<10mmBTU
203	#9 Kiln Hood Exhaust, Nat. Gas			<10mmBTU
207	#10 Kiln Hood Exhaust, Nat. Gas			<10mmBTU
214	Nat. Gas Hot Water Heaters Stack - 4 ea.			<10mmBTU
215	Air Inlet Control Rm. Hot Water Heater, Nat. Gas			<10mmBTU
216	Nat. Gas Hot Water Boiler			<10mmBTU
229	Nat. Gas Heater - M. O. Drum Storage			<10mmBTU
230	Nat. Gas Heater Air Intake - Blenders			<10mmBTU
232	Nat. Gas Heater - Warehouse			<10mmBTU
233	Nat. Gas Heater - Warehouse			<10mmBTU
242	High Temp. Kiln Burner Exhaust, Nat. Gas			2.4mm BTU
248	5% Caustic Exhaust W.T. Inside Pit		yes	
252	Nat. Gas Heater Y.O. Shop Storage Area			<10mmBTU
257	C.A. Plant - #14 Mix Tank		yes	
260	C.A. Plant - #8-A Storage Tank		yes	
262	50% Caustic Storage Tank - C.A. Plant		yes	
264	Reuse Caustic 5% Storage Tank-C.A. Plant		yes	
266	High Temp. Kiln Burner Exhaust-Feed End,			2.4mmBTU

Emission Unit No.	Emission Unit Description	Citat-ion	Pollutant(s) Emitted (5-80-720 B)	Rated Capacity (5-80-720 C)
	Nat. Gas			
269	High Temp. Kiln Burner Exhaust-Center, Nat. Gas			2.4mmBTU
31A	A Reactor Exhaust		yes	
32A	B Reactor Exhaust		yes	
34A	C Reactor Exhaust Stack		yes	
61A	#2 NTR Tank Stack		yes	
62A	#3 NTR Tank Stack		yes	
70A	#1 NTR Tank Stack		yes	
71A	#4 NTR Tank Stack		yes	
73A	#5 NTR Tank Stack		yes	
74A	#6 NTR Tank Stack		yes	
116A	#8 Conversion Tank Stack		yes	
258A	C.A. Plant - 36-B Process Tank		yes	
259A	C.A. Plant - #6-A Process Tank		yes	

These insignificant emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

VII. Compliance Plan: NA

VIII. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of applicability
None	None	None

Citation	Title of Citation	Description of applicability

Nothing in this permit shield shall alter the provisions of § 303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to § 114 of the federal Clean Air Act, (ii) the Board pursuant to § 10.1-1314 or § 10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to § 10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

IX. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9 VAC 5-80-110 N)

B. Permit Expiration

This permit shall become invalid five years from the date of issuance. The permittee shall submit an application to Director, West Central Regional Office, for renewal of this permit no earlier than 18 months and no later than six months prior to the date of expiration of this permit. Upon receipt of a complete and timely application for renewal, this source may continue to operate subject to final action by the DEQ on the renewal application.
(9 VAC 5-80-110 D and 9 VAC 5-80-80 F)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

    a. The date, place as defined in the permit, and time of sampling or measurements.

    b. The date(s) analyses were performed.

    c. The company or entity that performed the analyses.

    d. The analytical techniques or methods used.

e. The results of such analyses.

f. The operating conditions existing at the time of sampling or measurement.

(9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
(9 VAC 5-80-110 F)
3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. The reports must be signed by a responsible official, consistent with 9 VAC 5-80-80 G. Note that **much of the recordkeeping required by this permit also serves as required periodic monitoring to determine emissions compliance and therefore needs to be addressed in the periodic reports**. The details of the reports are to be arranged with the Director, West Central Regional Office. The reports shall include:

    a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.

    b. All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:

        (1) exceedance of emissions limitations or operational restrictions;

        (2) excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or compliance assurance monitoring which indicates an exceedance of emission limitations or operational restrictions; or

        (3) failure to meet monitoring, record-keeping, or reporting requirements contained in this permit. deviations from permit.

    c. Report recipients: The semi-annual reports required by this Title V operating permit shall be sent to the Director, West Central Regional Office.
    (9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this

permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and to DEQ, Director, West Central Regional Office, no later than **March 1** each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The compliance certification shall comply with such additional requirements that may be specified pursuant to § 114(a)(3) and § 504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification. The time period to be addressed is January 1 to December 31.

2. The identification of each term or condition of the permit that is the basis of the certification.

3. The compliance status.

4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.

5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.

6. Such other facts as the Board may require to determine the compliance status of the source.

This annual compliance certification shall be sent to the following addresses:

Director, West Central Regional Office
Virginia DEQ
3019 Peters Creek Road
Roanoke, VA 24019

Clean Air Act Title V Compliance Certification (3AP00)
U.S. Environmental Protection Agency, Region III
1650 Arch Street
Philadelphia, PA 19103-2029.

(9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Director, West Central Regional Office, within four (4) daytime

business hours of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as defined in this permit. In addition, within 14 days of the occurrence, the permittee shall provide a written statement explaining the problem, any corrective actions or preventive measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next quarterly/semi-annual compliance monitoring report required by this permit.
(9 VAC 5-80-110 F.2, 9 VAC 5-80-250)

F. Failure/Malfunction Reporting

If, for any reason, the affected facilities or related air pollution control equipment fails or malfunctions and may cause excess emissions for more than one hour, the owner shall notify the Director, West Central Regional Office, within four (4) daytime business hours of the occurrence. In addition, the owner shall provide a written statement, within 14 days, explaining the problem, corrective action taken, and the estimated duration of the breakdown/shutdown.
(9 VAC 5-80-250)

G. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

The opacity limits in this permit apply at all times except during periods of startup, shutdown, malfunction and as otherwise provided in this permit.

(9 VAC 5-50-20)

H. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the conditions of paragraph 2 are met.

2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

b. The permitted facility was at the time being properly operated.

c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.

d. For malfunctions that occurred for one hour or more, the permittee submitted to the board by the deadlines described in **Failure/Malfunction Reporting** above, a notice and written statement containing a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notice fulfills the requirement of 9 VAC 5-80-110 F.2. b to report promptly deviations from permit requirements.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any requirement applicable to the source.

(9 VAC 5-80-250)

I. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited, to the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and

5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-40-90 and 9 VAC 5-50-90)

J. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110 G.1)

K. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
(9 VAC 5-80-110 G.2)

L. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110 G.3)

M. Permit Action for Cause

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause as specified in 9 VAC 5-80-110 L, 9 VAC 5-80-240 and 9 VAC 5-80-260. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
(9 VAC 5-80-110 G.4)

2. Such changes that may require a permit modification and/or revisions include, but are not limited to, the following:

a. Erection, fabrication, installation, addition, or modification of an emissions unit (which is the source, or part of it, which emits or has the potential to emit any regulated air pollutant), or of a source, where there is, or there is the potential of, a resulting emissions increase;

b. Reconstruction or replacement of any emissions unit or components thereof such that its capital cost exceeds 50% of the cost of a whole new unit;

c. Any change at a source which causes emission of a pollutant not previously emitted, an increase in emissions, production, throughput, hours of operation, or fuel use greater than those allowed by the permit, or by 9 VAC 5-80-11, unless such an increase is authorized by an emission cap; or any change at a source which causes an increase in emissions resulting from a reduction in control efficiency, unless such an increase is authorized by an emissions cap;

d. Any reduction of the height of a stack or of a point of emissions, or the addition of any obstruction which hinders the vertical motion of exhaust;

e. Any change at the source which affects its compliance with conditions in this permit, including conditions relating to monitoring, recordkeeping, and reporting;

f. Addition of an emissions unit which qualifies as insignificant by emissions rate (9 VAC 5-80-720 B) or by size or production rate (9 VAC 5-80-720 C);

g. Any change in insignificant activities, as defined by 9 VAC 5-80-90 D.1.a(1) and by 9 VAC 5-80-720 B and 9 VAC 5-80-720 C.

(9 VAC 5-80-110 G, 9 VAC 5-80-110 J, 9 VAC 5-80-240, and 9 VAC 5-80-260)

N. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege. (9 VAC 5-80-110 G.5)

O. Duty to Submit Information

1. The permittee shall furnish to the board, within a reasonable time, any information that the board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the board along with a claim of confidentiality. (9 VAC 5-80-110 G.6)

6. Any document (including reports) required in a permit condition to be submitted to the board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
(9 VAC 5-80-110 K.1)

P. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-305 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-355. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the department.
(9 VAC 5-80-110 H, 9 VAC 5-80-340 C)

Q. Alternative Operating Scenarios: -NA-

R. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

S. Reopening For Cause

The permit shall be reopened by the board if additional federal requirements become applicable to a major source with a remaining permit term of three or more years. Such a reopening shall

be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

2. The permit shall be reopened if the administrator or the board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

3. The permit shall not be reopened by the board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D. (9 VAC 5-80-110 L)

T. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-150 E)

U. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-160)

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The board may suspend, under such conditions and for such period of time as the

board may prescribe, any permit for any of the grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substance subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal

Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A - F)

Y. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined under 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)

Z. Changes to Permits for Emissions Trading: -NA-

AA. Emissions Trading: -NA-

X. State-Only Enforceable Requirements:

The following terms and conditions are not required under the federal Clean Air Act or under any of its applicable federal requirements, and are not subject to the requirements of 9 VAC 5-80-290 concerning review of proposed permits by EPA and draft permits by affected states.

1. Odor.....NA

2. State toxics rule.....NA

3. Other....NA

(9 VAC 5-80-110)

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